



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/783,989

DATE: 09/01/2004

TIME: 17:10:49

Input Set : A:\22731402.app

Output Set: N:\CRF4\09012004\J783989.raw

3 <110> APPLICANT: GLYNNE, RICHARD J.  
 4 HONG, NANCY AI-HUA  
 5 NELMS, KEATS A.  
 6 WU, HUA  
 8 <120> TITLE OF INVENTION: SENSIN POLYPEPTIDES, ENCODING NUCLEIC ACIDS, MUTATIONS,  
 9 AND METHODS OF THEIR IDENTIFICATION AND USE  
 11 <130> FILE REFERENCE: 022731-0402  
 13 <140> CURRENT APPLICATION NUMBER: 10/783,989  
 14 <141> CURRENT FILING DATE: 2004-02-20  
 16 <150> PRIOR APPLICATION NUMBER: 60/448,964  
 17 <151> PRIOR FILING DATE: 2003-02-21  
 19 <160> NUMBER OF SEQ ID NOS: 84  
 21 <170> SOFTWARE: PatentIn Ver. 3.2  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 5454  
 25 <212> TYPE: DNA  
 26 <213> ORGANISM: Mus musculus  
 28 <400> SEQUENCE: 1  
 29 cttcggctct gcagactgag agccgggctg ccaccgccac catgggcggg aagaacaagc 60  
 30 agcggactaa ggggaacctc aggccttcaa acagtggccg agctgcagaa ctctcgcca 120  
 31 aagagcaggg aacagtgcct ggggttcattg gttttggcac atctcacagt gacctgggct 180  
 32 atgttccggc tgttcaaggc gcggaagaca tagacagtct tgtagattcc gatttccgaa 240  
 33 tgggtgctgcg gaaactttcc aaaaaagatg ttacaacaaa gctaaaggca atgcaagaat 300  
 34 ttggaattat gtgcacagag agagacacag aagccgtcaa aggggttctt ccatactggc 360  
 35 caagaatctt ctgcaaaatc tcccttgatc atgatcgccg tgttcgagag gcgacgcagc 420  
 36 aagcttttga aaaactttatc cttaaagtaa agaagcactt agtccctat ttaaaaagcg 480  
 37 tgatgggcta ttggttgatg gctcagtgtg acacatatcc accagctgca ctggcagcaa 540  
 38 aagatgcatt cgaagccgct ttccctccaa gcaagcaacc tgaagccata gcgttttgca 600  
 39 aggaagaaat tacaactgtg ttacaggacc atcttctgaa ggagactcct gacacactca 660  
 40 gtgaccctca aactgtgcca gaggaagaga gagaggctaa gttccaccga gtcgtgacgt 720  
 41 gctctttatt ggcactgaag agattgcttt gtttcttacc taacaatgag cttgattctc 780  
 42 tggaggagaa atttaaatac cttttatcac agaataaatt ttggaagtat ggaaaacaca 840  
 43 gtgtacctca ggtccgctca gcatattttg agttagtttc tgctttgtgc cagcacgttc 900  
 44 ccaggtgat gaaagaggaa gctgccaaag tgagtccatc tgtcctgctc agcattgatg 960  
 45 acagtgacct tgtggtctgc ccagctctct gggaggctgt gctctacacg ctgacaacta 1020  
 46 ttgaggactg ttggtttcat gtaaagcca agaaaagtgt gtttccgaag ctgatggcca 1080  
 47 tgatccgaga ggggtggccg ggcctagctg ctgttatgta tccttacctc ttaccgttca 1140  
 48 tcagcaaaact ccctcagtc atcacagagc caaagctgga cttcttcaaa aacttcctca 1200  
 49 cctctctagt taccgggctg tcaactgaga ggaccaaatac gagctcttct gagtgctcag 1260  
 50 ctgtcatccc ggcatttttt gaatgtttgc ggtttataat gcagcagaaac ttaggcgagg 1320  
 51 aggagatggt gcagatgctt atcaatgagc agttgatccc atttattgat acagtctca 1380  
 52 aagactcagg actgcaccac ggaccgatgt ttgaccattt agcagacaca ttgagctctt 1440  
 53 ggggaagccaa agcagatgca gagcgagacc ctggagctgt ttacaacttg gagaacgttc 1500



## RAW SEQUENCE LISTING

DATE: 09/01/2004

PATENT APPLICATION: US/10/783,989

TIME: 17:10:49

Input Set : A:\22731402.app

Output Set: N:\CRF4\09012004\J783989.raw

```

54 tgctaagctt ctggggaaga ctgtcagaga tctgcaccga gaaaatccgc cagccagaag 1560
55 cagatgtgaa gtccgttctg tgtgtgtcta gcctagtagg ggtecttcag aggccaagga 1620
56 gctcactgga gttacacaga aagaaaactg ctccaggtcag gtttgccatc aatatactcg 1680
57 aagctcataa aggggatgaa aagtcctagt ctccagaagg agagaacagc gagggctctg 1740
58 acggaggggc tcagttcctt ctcatgtaata catcttcaga cttagtatct cctttaagga 1800
59 aaaaacctct ggaagactta gtctgtaagc tggcagaggt gagcattagc tttgtcaacg 1860
60 agcgggaagtc agagcagcac ctgcagtttc tctccacgct gctcgactcc ttctcctccg 1920
61 tccaagtatt taacattctc ctcatgtaaa aacagaagaa tgtcgtcaaa gccaaacctc 1980
62 tggaaataac caaacttgca gaaaaaaatc ctgcagttta gttcttatat cataaattga 2040
63 taggctggct aaatgacagc cagaaagagg acgggggctt cctgggtggac atcttgtata 2100
64 gtgcectccg atgtgtgac agtgggtgtg aaaggaaaga agtcttgat gatctaacca 2160
65 aggaggacct gaagtggagt tctcttcttc aggtcattga aaaggcatgt tctagctcag 2220
66 ataaacatgc tttagtaact ccttggctaa aaggcagtat tcttggagag aaattgggtg 2280
67 ccttggcaga ctgtctttgt gataaggact tggaaagccac aacatctgaa tcccactcat 2340
68 cagaacagtg gagtctgcta agactggcgt tatcccaaca tgtcaaaaac gattacttga 2400
69 ttggagaagt atacgttgga agaattattg ttaaacttca tgaaacttta tctaaaacaa 2460
70 aggatttatc agaagcggca aacagtgact ctccagtgct ttttgtctgt gatgtggtcc 2520
71 atagcttctt cagttcagca ggaggaggct tgctaattgc accatctgaa gacttggtat 2580
72 taactctctt tcagttatgc gctcagagca aagaacggac acacttgcca gattttctga 2640
73 tctgtaaact gaagaatac ttgtttctg gtgtaaattt attggtccat caaactgcaa 2700
74 gtacatatga gcagagtacc ttctacgtt tgtctgttct gtggctgaag gaccaggttc 2760
75 agtcttcggc tttggataac acaagtcttc aggtcctctt gtctgctgct ggcgacttgc 2820
76 tgggtactct ttagagagt gaggacacgt ctcttcttgg agtttatatc ggaagtgtaa 2880
77 tgcccagtg cagcgagtgg gaaaagatga ggcaggctct tctgttcag tggttacaca 2940
78 gacctctttt agaggggaagg ctgagtttaa attatgaatg cttcaagaca gattttaagg 3000
79 aacaagacac aaagactctt cccaaccatc tgtgtacttc atcgttattg agcaaaatga 3060
80 tcttagttgc caaaaaaaag aaattagtc tagaagacaa cgtccttgaa aaaataattg 3120
81 cagagctgct gtattcactg cagtgggtgt aagaactcga caatgcgcca tctttcctaa 3180
82 gtggattttg tggaaatcctt caaaaaatga atataactta cagcaactta tctgtactta 3240
83 gtgagacttc tagcctcttg cagctgttat ttgacagatc tagaaaaaat ggcacacttt 3300
84 ggtctcttat tattgctaag ttgatccttt cccgaagtat ttcactgat gaagtgaac 3360
85 catactataa aagaaaagaa agtttcttcc ctctaacaga aggtagtttg cataccattc 3420
86 aaagtctctg tccattcttg tctaaagaag agaagaagga atttagtgct cacagtatac 3480
87 ccgctttttt ggggttgact aaagaagacc tttgcagtat taatggagcc tttggacatc 3540
88 ttgccatttt caattcttgt ctgcaaacca gaagtataga cgacaaacag ctattgcatg 3600
89 gcatattaaa aattataaca agctggagga aacagcatga agatattttt ctttttagct 3660
90 gtaatctgtc ggaagcgagt ccagaggctc ttggtttaaa catagagatc atgcggttcc 3720
91 tttccttgtt tctcaagcac tgcgcgtacc cgtcccgct ggcagacagt gaatgggact 3780
92 tcatcatgtg ctccatgctg gcttgggttg agacaaccag tgagaaccag gctctgtact 3840
93 ctgttccact tgtgcagctg tttgcctgtg tcagctttga tctggcctgt gatctctgtg 3900
94 ccttttttga ctcaataact ccagatattg ttgacaatct tctgtaaat ctcatcagt 3960
95 agtggaagaa gtttttttct aaaggcatcc acagtttgct attacctctt ttggtaaatg 4020
96 ctatcggaga aaacaaagac ctatctgaaa cgtcctttca gaacgcaatg ctgaaacca 4080
97 tgtgtgaaac actaacatac atctccaagg accagctact gagccacaag ctccctgcga 4140
98 gattgggttc cagccagaaa acaaacttgc cagagcacct ccagactctg ctgaacactt 4200
99 tgacccact gcttctcttc agagccagac ctgtgcaaat tgetgcttat catatgctgt 4260
100 gcaaaactgat gctgaattg ccacagcatg atcaggacaa tctgaggtcg tatggagatg 4320
101 aagaggaaga accagccttg tcgccgcgg ccgcgctgat gtctctctc agctctcagg 4380
102 aggagctgct ggagaatgtc ctgggctgtg tcctgtggg ccagatcgtg accgttaagc 4440

```

## RAW SEQUENCE LISTING

DATE: 09/01/2004

PATENT APPLICATION: US/10/783,989

TIME: 17:10:49

Input Set : A:\22731402.app

Output Set: N:\CRF4\09012004\J783989.raw

```

103 cactgagcga ggacttctgc tatgtcctgg gatacctcct cacttggaag ttaatactga 4500
104 ctttcttcaa agctgcatcg tctcagcttc gtgctctgta ttcaatgtac cttcggaaaa 4560
105 caaagagtct gaataaatta ctctatcatc tcttcagact tatgccagaa aacctacgt 4620
106 acggagagac agctattgag gtatcaagta aagaccccaa gaccttcttc accgaggagg 4680
107 ttcagctgag tattagagaa acagcaactc ttccgtatca tatccacacac ctggcggtgct 4740
108 cgggtctatca catgacttta aaagacttgc ctgccatggg taggctatgg tggaatagca 4800
109 gtgagaagcg tgtcttcaat attgtagata gatttacaag caagtatgtc agcaatgttc 4860
110 tttcttttca agaaatatct tctgtacaaa caagtacaca gctattcaat ggcagacgg 4920
111 ttaaggcgcg agctactact cgagaagtga tggctacgta caccatcgaa gacatagtca 4980
112 ttgaactcat aatacagttg ctttccaatt acccactggg ctcaataaca gtggaaagtg 5040
113 ggaagaggat cgggggtggc gtgcagcagt ggcgaaactg gatgctgcag ctgagcacgt 5100
114 acctcactca ccagaacgga agtatcatgg aaggcttagc attatggaag aataatgtag 5160
115 acaaacgggt tgaaggtggt gaagattgta tgatctgctt ctgagttatt catggtttca 5220
116 actattctct tcccaaaaaa gcctgtagaa catgcaagaa aaagtttcac tcagcttgcc 5280
117 tgtacaaatg gtttacatct agcaacaagt ccacttgccc gctctgccgt gagacctttt 5340
118 tctgaggttt ttttcattgg aagttgtcgc tgccgtaggt caagccaaag ggaatggatt 5400
119 ggctccacct tgaagtactg atgtgaagcc agtgagcatg acaaagtgcc atcg 5454
122 <210> SEQ ID NO: 2
123 <211> LENGTH: 5444
124 <212> TYPE: DNA
125 <213> ORGANISM: Homo sapiens
127 <400> SEQUENCE: 2
128 cagcaaatgg acaggtgggt ggcggaaaaag ggcccggggg aagttattac aggggtgtcct 60
129 cttccgccgc cagaagccgg aagttgtgtc ccggacgtgt caaccggggg ctgagtgtctc 120
130 agagtacagc tgcaaccgcg accatgggcg ggaagaacaa gcagcgaact aaagggaaacc 180
131 tgaggccttc aaacagtggc cgagctgcag aactccttgc caaagaacag ggaacagtgc 240
132 ctggatttat tggttttgga acatctcaga gtgacctagg ctatgttcct gctattcaag 300
133 gagctgaaga aattgacagt cttgtagatt ctgatttccg aatgggtgctg cggaaacttt 360
134 caaagaaaga tgtcaccaca aaattaaaag ctatgcagga atttggaaacc atgtgtacag 420
135 agagagacac agaaaactgtg aaaggagttc ttccatattg gccagaatt ttttgcaaaa 480
136 tttcacttga tcatgaccgt cgcgtccgag aagccacaca acaagctttt gaaaaactta 540
137 tccttaaagt aaagaaacag ttggctccct acttaaaaag tttaatggga tattggctaa 600
138 tggctcagtg tgatacttac acaccagctg cgtttgcagc aaaagatgca tttgaagcgg 660
139 cttttcctcc aagcaagcaa cctgaagcca tagcattttg taaggatgaa attacaagt 720
140 tgctgcagga tcatcttata aaagaaacac ctgatacact cagtgaacct caaactgttc 780
141 cagaggaaga aagagaagct aaattctacc ggggtgtaac ttgttcctta ttggcattaa 840
142 agagattact ttgcctttta cctgataatg agcttgattc tctggaggag aaatttaagt 900
143 ctcttttatc acagaataag ttttggaagt atggaaaaca cagtgtacct cagattcgct 960
144 cagcttattt tgagttagtc tctgcattgt gccagcgcat tccacagttg atgaaagagg 1020
145 aagcatccaa agtgagccca tcagttctac ttagcattga tgacagtgc ccaattgtct 1080
146 gccagctct ctgggaagct gtactctata cacttacaac tattgaggac tgttggtctc 1140
147 atgtaaatgc aaaaaagagt gtgtttccca agctatcaac tgtgattcgt gaaggtgggtc 1200
148 ggggtctagc tactgtcata tatccttacc ttctgccatt catcagcaag ctccctcagt 1260
149 ccacacaaa tccaaagttg gatttcttca aaaatttctt cacgtctcta gttgctgggc 1320
150 tgtcaacaga gagaactaaa accagctctt tagagtcctc ggcagtaata tctgcttttt 1380
151 ttgaatgctt acgttttata atgcagcaaa acttaggtga ggaagagatt gaacagatgc 1440
152 tcgtcaatga tcagttgatc ctttttattg atgcagttct caaagacca ggattgcaac 1500
153 atgggcagct atttaaccat ttagcagaaa ctctaagttc ctgggaagcc aaagcagaca 1560
154 cggaaaaaga tgaaaaaaca gtcacaact tggagaacgt actgatacat ttctgggaaa 1620

```

## RAW SEQUENCE LISTING

DATE: 09/01/2004

PATENT APPLICATION: US/10/783,989

TIME: 17:10:49

Input Set : A:\22731402.app

Output Set: N:\CRF4\09012004\J783989.raw

```

155 gactgtcaga gatctgtgtt gcgaaaatca gtgagccaga agctgatgtt gagtccgttt 1680
156 tgggtgtatc taacctatta caggtgcttc agaagccgaa gagctcattg aagtcaagta 1740
157 aaaaaaaaaa tggtaagggtt agatttgctg atgagatact tgaaagcaat aaagagaatg 1800
158 aaaaatgtgt atcttcagaa ggagagaaga ttgaaggctg ggaattaaca actgaacctt 1860
159 ctctcactca taattcttca ggccctttgt ctcctctaag gaaaaaacct ttggaagact 1920
160 tagtctgtaa actcgcagat ataagtatta attatgtcaa tgaacgaaag tcagagcaac 1980
161 atctaagggtt tctttctact ctgcttgact ccttttcttc aagccgagta tttaaaatgc 2040
162 tacttggtga tgaaaaacag agtattgtcc aagccaaacc tcttgaaata gccaaagctt 2100
163 tacaaaaaaa tcctgcggtg cagtttttat accagaaact gatagggttg ctaaatgaag 2160
164 atcaaaggaa ggattttggt ttcttggtgg acattttgta cagtgtcttc cgtgtctgtg 2220
165 acaatgatat ggaaagaaaa aaagtcttgg atgatctaac caaggtggac ttgaaatgga 2280
166 attctcttct taagattatt gaaaaggcat gtcctagttc agataaacat gctttagtaa 2340
167 ctctctggct caaaggcgat atccttggtg agaaattggt caacttgga gattgtcttt 2400
168 gtaatgagga cttggaatcc agggatatct cagaatctca cttctcagaa agatggactc 2460
169 ttctaagctt ggtattatcc caacatgtta aaaatgatta cttgattgga gacgtatatg 2520
170 ttgaaagaat cattgttaga cttcatgaaa ctttattcaa aacaaagaaa ttatcagaag 2580
171 ctgaaagcag tgactcatca gtgtctttta tctgtgatgt ggccataaac tatttcagct 2640
172 cagcgaagg atgcttgcta atgccatcat ctgaagattt attattaact ctctttcagt 2700
173 tatgtgctca gagcaaagaa aaacacatt tgccagattt tcttatctgt aaactgaaaa 2760
174 atacttggct ctctggtgta aatttattgg ttcataaac tgacagttca tataaagaga 2820
175 gtaccttcct acatttgtct gctctgtggc tgaagaacca agttcaggct tcatctttgg 2880
176 atatcaacag tctccaagtc ctcttgctctg ctggtgatga tttgctaaat acacttctag 2940
177 agagtgaaga ttcttatctt atgggagttt atattggaag tgtaatgccg aacgacagt 3000
178 aatgggaaaa gatgaggcag tctcttccta tgcagtggtt acatagacct cttttagagg 3060
179 gaagattgag tttgaattat gaatgtttca aaacagattt taaggaacag gacataaaga 3120
180 cacttcccag ccatttgtgt acttcagcat tattgagcaa aatggctcta attgcactga 3180
181 gaaaggaaac agtcttagaa aataatgagc ttgagaaaat aattgcagaa ctgctttatt 3240
182 cactgcagtg gtgtgaagaa ttagataacc cacctatttt tctaattgga ttttgtgaaa 3300
183 tacttcaaaa aatgaatatt acgtatgata acttacgtgt acttggtaat acgtcgggcc 3360
184 ttttgacgt gttatttaac aggtccagag aacatggcac actgtggtct cttattattg 3420
185 ctaagttgat cctttcccga agcatttcat ctgatgaagt aaaaccacat tataagagaa 3480
186 aagaaagttt ttttccacta actgaaggca atttgcatac cattcaaagt ctatgtccat 3540
187 ttttgtaaaa agaagaaaag aaagaattta gtgctcaatg tatacctgct cttttgggct 3600
188 ggactaagaa agatctttgc agcactaatg gaggttttgg acatcttgcc attttcaatt 3660
189 cttgtctgca aacccaaagt atagatgatg gagagctatt acatggaata ttaaaaaatca 3720
190 taatatcctg gaagaaagag catgaagata tttttctttt cagttgtaat ctatcagaag 3780
191 caagtccaga ggtactgggt gtaaatatag aaataatccg gtttctttcc ctatttctga 3840
192 aatactgctc atcccccttg gcagagagtg agtgggactt catcatgtgc tccatgttgg 3900
193 cttggttggg gacaacaagt gagaatcagg cattgtatc tattccactt gtgcaactgt 3960
194 ttgcctgtgt cagctgtgat ttggcctgtg acctcagtg tttctttgat tccacaactc 4020
195 tggataccat tggcaatctt cctgtaaatc taatcagtg atggaaagaa tttttttccc 4080
196 aaggcatcca cagtttgctt ttacctattt tgggtgactg tacaggagaa aacaaagatg 4140
197 tgtctgaaac atcctttcag aatgcaatgc tgaaacccat gtgtgaaaca ttaacgtata 4200
198 tctcaaagga acagctattg agtcacaaac ttcctgcaag attagttgct gacccaaaaa 4260
199 caaacttacc agaatatctc cagactttgt taaatacatt ggccccatta ctctcttca 4320
200 gagctaggcc tgtgcaaat gctgtttatc atatgctata caaattgatg cctgaattac 4380
201 cacagtatga tcaggataat ctaaagtcac acggagatga agaagaagag ccagccttgt 4440
202 caccaccagc agcactgatg tctcttctta gcattcaaga ggacttacta gaaaatgttt 4500
203 tggggtgtat tcctgttggg cagatagtta ctattaaacc actgagtga gacttctgtt 4560

```

## RAW SEQUENCE LISTING

DATE: 09/01/2004

PATENT APPLICATION: US/10/783,989

TIME: 17:10:49

Input Set : A:\22731402.app

Output Set: N:\CRF4\09012004\J783989.raw

```

204 atgttctgagg ataccttctc acttggaat taataactaac tttcttcaaa gctgcatcat 4620
205 cacagcttcg ggctttgtat tccatgtatc ttcggaaaac aaagagtttg aataaattgc 4680
206 tctatcacct gttcaggctt atgccagaaa atccaaccta tgcagagaca gcagttgagg 4740
207 tcccaaataa ggaccctaaa acattcttta ctgaggagct ccagctgagt attagagaaa 4800
208 caacaatgct tccataccac attccacact tggcttggtc agtctatcat atgacattaa 4860
209 aagacttgcc tgccatgggt aggttggtgt ggaatagcag tgagaagcgt gttttcaata 4920
210 ttgtggatag atttacaagc aagtatgtca gcagtggtct ttcttttcaa gaaatatctt 4980
211 ctgtacaaac aagtacacaa ctatttaatg gcatgacggt taaagctcga gctactactc 5040
212 gagaggtaat ggctacttat actattgagg acatagttat tgaacttata atacaactgc 5100
213 cttcaaatta tccactgggt tcaataatag tagaaagtgg gaaaagagta ggagtagctg 5160
214 ttcagcagtg gcggaactgg atgctgcagt taagcactta cctcacccat cagaatggaa 5220
215 gtattatgga aggttagct ttatggaaaa ataacgtaga caaacgtttt gaggggtgtg 5280
216 aagattgcat gatctgttct tcaatcattc acggtttcaa ctattccctt cccaaaaaag 5340
217 cctgtagaac atgcaagaaa aaattccatt cagcctgctt gtacaaatgg tttacatcta 5400
218 gcaacaaatc cacttgcca ctgtgtcgtg agacgttttt ctga 5444

```

221 &lt;210&gt; SEQ ID NO: 3

222 &lt;211&gt; LENGTH: 14

223 &lt;212&gt; TYPE: PRT

224 &lt;213&gt; ORGANISM: Mus musculus

226 &lt;400&gt; SEQUENCE: 3

227 Lys Glu Asp Leu Lys Trp Ser Ser Leu Leu Gln Val Ile Glu

228 1 5 10

231 &lt;210&gt; SEQ ID NO: 4

232 &lt;211&gt; LENGTH: 14

233 &lt;212&gt; TYPE: PRT

234 &lt;213&gt; ORGANISM: Homo sapiens

236 &lt;400&gt; SEQUENCE: 4

237 Lys Val Asp Leu Lys Trp Asn Ser Leu Leu Lys Ile Ile Glu

238 1 5 10

241 &lt;210&gt; SEQ ID NO: 5

242 &lt;211&gt; LENGTH: 1753

243 &lt;212&gt; TYPE: PRT

244 &lt;213&gt; ORGANISM: Mus musculus

246 &lt;400&gt; SEQUENCE: 5

247 Met Gly Gly Lys Asn Lys Gln Arg Thr Lys Gly Asn Leu Arg Pro Ser

248 1 5 10 15

250 Asn Ser Gly Arg Ala Ala Glu Leu Leu Ala Lys Glu Gln Gly Thr Val

251 20 25 30

253 Pro Gly Phe Ile Gly Phe Gly Thr Ser His Ser Asp Leu Gly Tyr Val

254 35 40 45

256 Pro Ala Val Gln Gly Ala Glu Asp Ile Asp Ser Leu Val Asp Ser Asp

257 50 55 60

259 Phe Arg Met Val Leu Arg Lys Leu Ser Lys Lys Asp Val Thr Thr Lys

260 65 70 75 80

262 Leu Lys Ala Met Gln Glu Phe Gly Ile Met Cys Thr Glu Arg Asp Thr

263 85 90 95

265 Glu Ala Val Lys Gly Val Leu Pro Tyr Trp Pro Arg Ile Phe Cys Lys

266 100 105 110

268 Ile Ser Leu Asp His Asp Arg Arg Val Arg Glu Ala Thr Gln Gln Ala

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/783,989

DATE: 09/01/2004

TIME: 17:10:50

Input Set : A:\22731402.app

Output Set: N:\CRF4\09012004\J783989.raw